

Special Issue

Genetic Regulation of Fruit Pigmentation

Message from the Guest Editor

Fruits undergo complex and coordinated biochemical processes during development and ripening. Among these processes, fruit pigmentation is a primary factor and an important quality trait that influences the preferences of humans and animals. Several secondary metabolites, including carotenoids and flavonoids, are major determinants controlling fruit pigments and play essential roles in human nutrition and health. Various genetic components, such as biosynthetic genes and transcription factors, are known to control fruit pigmentation. Understanding the genetic basis of fruit pigmentation is helpful in designing strategies for producing valuable plant products and enhancing characteristics of economically important crops. This Special Issue, "Genetic regulation of fruit pigmentation", will cover recent discoveries in genetic regulation, biosynthesis, biofortification, breeding, genomics, and other broadly defined aspects for a better understanding of fruit pigmentation.

Guest Editor

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Deadline for manuscript submissions

closed (31 May 2022)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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